

IZAAN MOHTASHIM

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Education

FAST-National University of Computer and Emerging Science

Islamabad, PK

Bachelors in Computer Science.

May 2025

Relevant Coursework: Programming Fundamentals, Data Structures and Algorithms, Artificial Intelligence, Introduction to Probability, Multivariable Calculus, Operating System

Aga Khan Higher Secondary School

Karachi, PK

Intermediate

April 2020

- Pre-Engineering

St Patrick's High School

Karachi, PK

Matriculation

March 2018

- Achieved 2nd position in Spelling Bee Competition, demonstrating strong linguistic skills and attention to detail.
- Participated in a Speech Competition, showcasing effective communication and public speaking abilities.

Experience

Technolcolabs Software

India (Remote)

Data Analyst Intern

Feb 2023 – April 2023

Technocolabs Softwares, is a global tech firm that specializes in providing a range of online services to users.

- Done my initial Projects in Python using Pandas and Numpy Library.
- Done in-depth analysis of datasets, concluding successful outputs from the collected data.

Startup

Pakistan

Defence Gadgets

March 2022-Present

A business that provides defense tools nationally.

- Grown business to 180k PKR worth of sales in 4 months with a conversion ratio of 9%, only through social media.
- Organically gained 1000 followers in 4 months.

Technical Skills & Projects

Programming: C, C++, SQL, Python, JavaScript, Docker, Html/Css, Marketing, Flutter, PHP, Git/Github, Kubernetes, AWS, NASM

University Predictor System

Designed a University Predictor System in a Database project using PHP and SQL, enabling users to input college or NTS exam marks for personalized university recommendations. Streamlining the selection process, it offers dynamic suggestions based on academic performance.

Ping Pong Game

Built a Ping Pong game in Assembly for DOSBox, demonstrating low-level programming. Features classic paddle classic paddle control and ball physics for a nostalgic gaming experience.

Huffman Coding

Implemented a Huffman coding scheme in a Data Structures project, emphasizing efficient compression and optimization of the tree for bit reduction on characters, excluding '\$'. The program efficiently handles various character frequencies, excluding debugging or decompression functions as per project specifications.

Final Year Project

Developing a university Final Year Project (FYP): an automated cyber attack detection system incorporating reinforcement learning and a robust defensive mechanism. The project aims to enhance cybersecurity by efficiently identifying and responding to potential threats.

Leadership & Activities

Google Developer Student Clubs Fast NUCES Peshawar

Peshawar, KPK

Management

Sep 2022 – May 2023

As a member of the management team at GDSC Fast Peshawar, I actively contributed to the success of tech events like hackathons, workshops, info sessions and showcasing my passion for technology and community engagement.

NUTEC Peshawar

Peshawar

Team Finance

March 2023

I managed budgetary aspects, financial planning, and resource allocation, contributing to the overall smooth execution of NUTEC and supporting the team's financial goals

Certificates

- ❖ Certificate of Participation in Sports Event
- ❖ Certificate of Completion in GDSC Society
- ❖ Certificate of Participation in NUTEC
- ❖ Certificate of Completion HTML and CSS course
- ❖ Certificate of Completion of Regular Expression Course
- ❖ Certificate of Participation of SAYABIDEVS 23